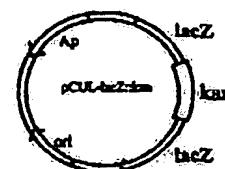
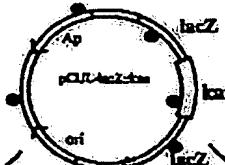


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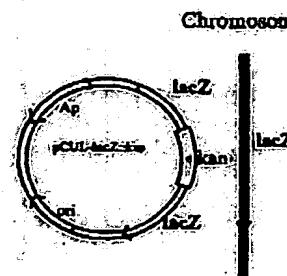
Plasmid containing the disrupted target gene:  
pCUL-LacZ::kan



Chemical modification  
(N-Aco-AAF) :

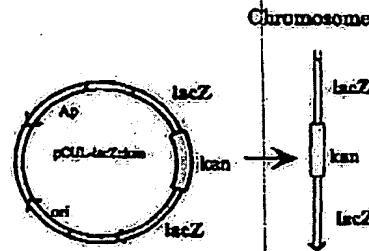


Plasmid transformation/replication



Blue colonies

Transformation/homologous recombination  
plasmid → chromosome



White colonies

FIGURE 1

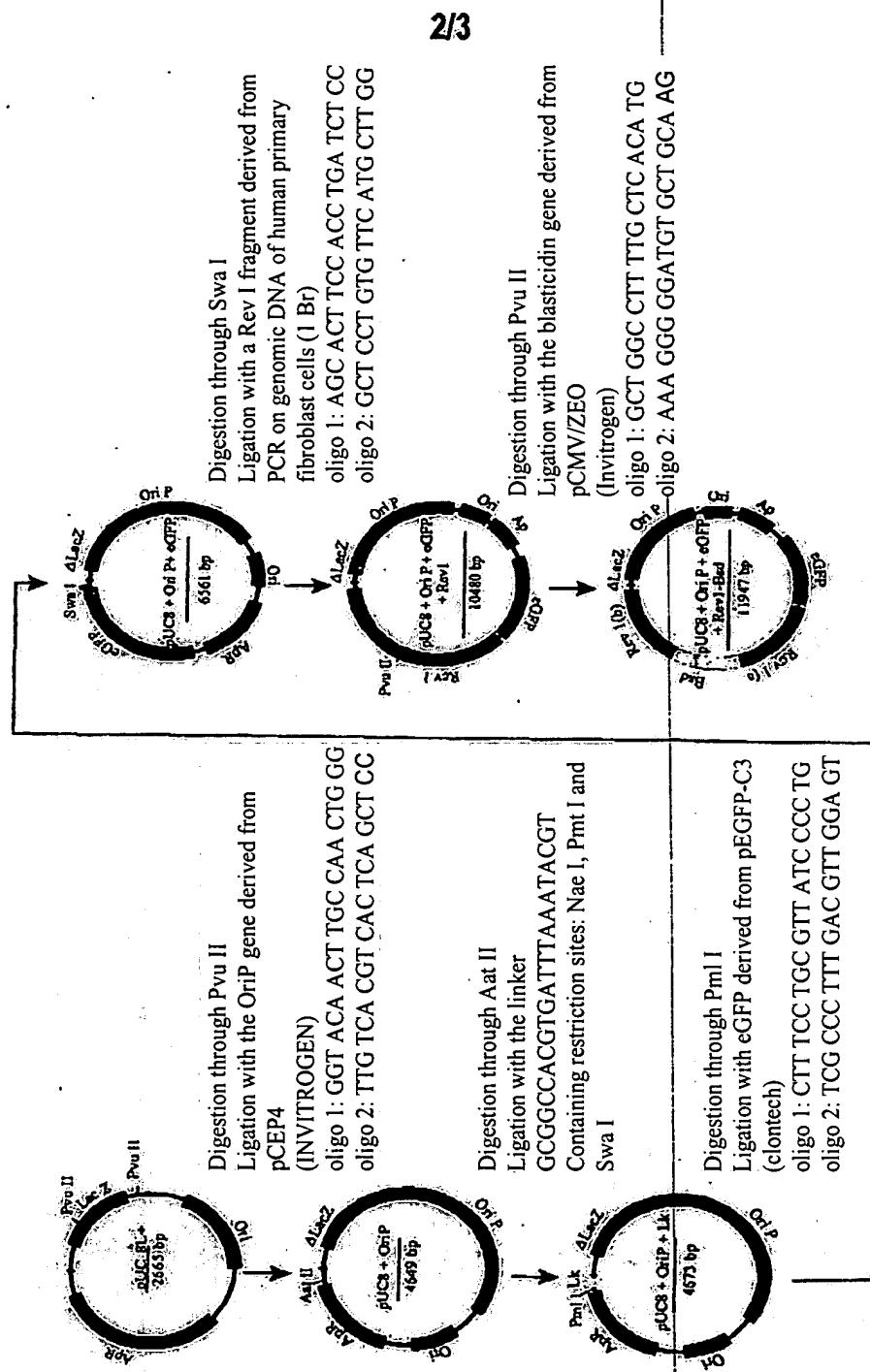


FIGURE 2

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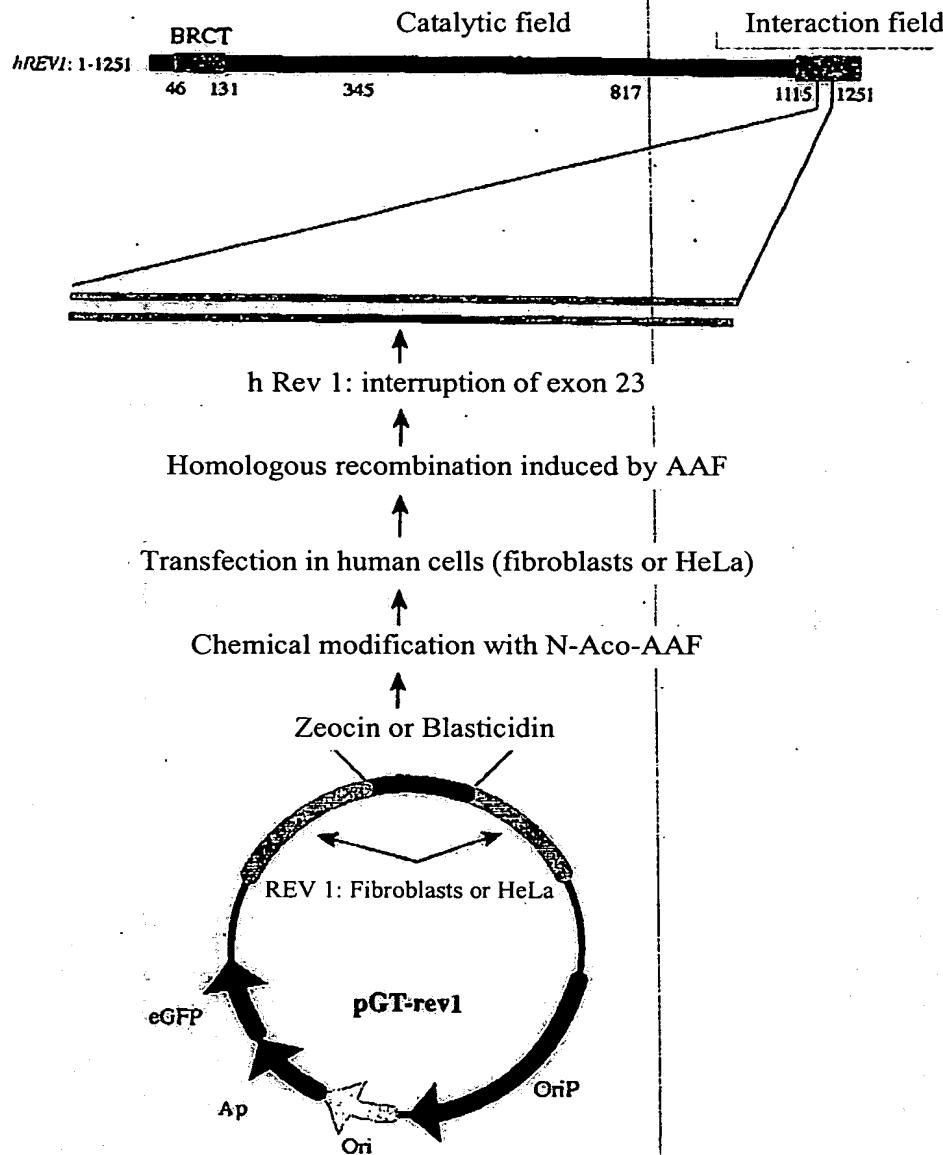


FIGURE 3